

XX July 29, 1946.

Dear Dr. Luria-

Double biochemical mutants in B/r have been obtained. Y38-Y43 requires arginine and methionine; Y39-Y44 requires histidine and p-aminobenzoic acid. However, these mutants do not yield prototrophs when grown together, nor when grown with K-12 mutants. Do you want these doubles?

The question remains whether complex resistance phenotypes occur after single mutational steps in K-12. Do you have any information on this as yet?

Sincerely yours,

Joshua Lederberg.